

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently amended): A disk control system that receives a process
2 command for writing or reading of data from an information processing device, and performs a
3 write or read process of data with respect to a logical device corresponding to a logical unit
4 specified by ~~that said~~ process command, comprising:

5 means for managing, ~~as units, at least one logical devices~~ device, which are said
6 logical device being a logical storage regions-region ~~that have~~ has been set in a storage region
7 provided by a disk drive;

8 means for storing a correspondence between said logical ~~devices~~ device and at
9 least one logical units-unit, said logical ~~units-unit~~ being a storage regions-region ~~that have~~ has
10 been set logically;

11 means for assigning, when a first process command has been received for a first
12 logical unit to which no logical device has been assigned to said first logical unit, a first logical
13 device to ~~that said first~~ logical unit and for performing processing with regard to ~~that said first~~
14 logical device; and

15 means for responding to said information processing device, when a second
16 process command that does not cause ~~a-an~~ input/output process with regard to a second logical
17 device has been received from said information processing device, by performing ~~a-said second~~ second
18 ~~process corresponding to that~~ process command without performing said logical device
19 assignment.

1 2. (Canceled)

1 3. (Currently amended): A disk control system according to claim 1, further
2 comprising:
3 means for assigning a plurality of said logical devices to one of said logical units;
4 and
5 means for assigning to that logical unit only a number of said logical devices that
6 is necessary in order to perform the processing corresponding to said first process command.

1 4. (Currently amended): A disk control system according to claim 1, further
2 comprising:
3 means for sending to said information processing device a message indicating that
4 said first process command cannot be processed, if there is no logical device that can be assigned
5 to said logical unit.

1 5. (Currently amended): A disk control system according to claim 1, further
2 comprising:
3 means for sending to said information processing device a message indicating that
4 reading is impossible, ~~if a process command requesting the reading of data from a logical unit to~~
5 ~~which no logical device has been assigned has been received from said information processing~~
6 ~~device.~~

1 6. (Original): A disk control system according to claim 1, wherein said
2 information processing device is an open system computer.

1 7. (Currently amended): A disk control system according to claim 1,
2 wherein said first and second process command commands of the disk control system ~~is a~~ are
3 ~~SCSI command~~ commands.

1 8 and 9. (Canceled)

1 10. (Currently amended): A control method for a disk control system that
2 manages, ~~as units,~~ logical devices, which are logical storage regions that have been set in a
3 storage region provided by a disk drive, that stores a correspondence between said logical
4 devices and a plurality of logical units, said logical units being storage regions that have been set
5 logically, that receives a process command that has been sent from an information processing
6 device, and that performs processing with regard to a logical device corresponding to the logical
7 unit specified by ~~that said~~ process command, the control method comprising:

8 a first step of receiving a first process command for a first logical unit;

9 a second step of determining whether a first logical device has been assigned to
10 ~~that said first~~ logical unit; and

11 if in said second step a first logical device is assigned to said first logical unit, a
12 third step of performing with regard to ~~that said first~~ logical device ~~a process corresponding to~~
13 said first process command, and, if in said second step no logical device is assigned to said first
14 logical unit, assigning a logical device to said first logical unit and performing with regard to ~~that~~
15 said first logical device a process corresponding to said first process command;

16 a fourth step of receiving a second process command for a second logical unit;

17 a fifth step of determining whether a second logical device has been assigned to
18 said second logical unit; and

19 if no logical device has been assigned to said second logical unit and said second
20 process command is a command that does not cause an input/output process with regard to
21 second said logical device, performing second process command without assigning a logical
22 device to said second logical unit.

1 11. (Previously presented): A control method for a disk control system that
2 manages, as units, logical devices, which are logical storage regions that have been set in a
3 storage region provided by a disk drive, that stores a correspondence between said logical
4 devices and logical units, said logical units being storage regions that have been set logically,
5 that receives a process command that has been sent from an information processing device, and
6 that performs processing with respect to a logical device corresponding to the logical unit

7 specified by that process command, the control method comprising, when a process command
8 has been received for a logical unit:

9 if a logical device has been assigned to that logical unit, performing with regard to
10 that logical device a process corresponding to that process command;

11 if no logical device has been assigned to that logical unit and that process
12 command is a command that does not cause a process with regard to said logical device,
13 performing a process corresponding to that process command without assigning a logical device
14 to that logical unit; and

15 if no logical device has been assigned to that logical unit and that process
16 command is a command that causes a process with regard to said logical device, assigning a
17 logical device to said logical unit and performing with regard to that logical device a process
18 corresponding to that process command.